**Index of Claims** 

| Application/ | Control | No. |
|--------------|---------|-----|
|--------------|---------|-----|

10/658,530

Examiner

Michael C. Maskulinski

Applicant(s)/Patent under Reexamination

IWAMITSU ET AL.

Art Unit

2113

| √ | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |  |
|---|----------|--|
| 0 | Objected |  |

|           |              | Ļ        | <u> </u>     |   |  |          | J  |              | Щ.   | L            |     |       |              |           |          |   |  | J        | _        | Ļ            |  | _ |
|-----------|--------------|----------|--------------|---|--|----------|--|--------------|--|--------------|-----|-------|--------------|-----------|----------|---|--|----------|----------|--------------|--|---|
| CI        | aim          | 1        |              |   |  | Dat      | <u>.                                    </u> |              |  | _            | 1   | Cir   | aim          |           |          | _ | _  | Dat      |          |              |  | _ |
|           | 21111        | ┢╾       | F            | т   | Τ'   | Dai      | <del>-</del>                                 | Г.           | Г  |              | ┨   | Cic   | 11111        | Н-        | _        |   | <del>'</del>                                     | T        | <u> </u> | _            | $\overline{}$                                    | т |
| _         | <u> </u>     | ြင       |              |   |  |          |  |              | l  |              |     |       | 펼            |           |          |   | ļ  |          | İ        |              | l  |   |
| Final     | Original     | 8/7/05   |              |   |  | 1        |  |              |  | l            | l   | Final | Original     |           |          |   | 1  |          |          | 1            | l  | l |
| ш.        | 5            | 8        |              |   |  |          |  |              |  |              |     | ш     | <del> </del> |           |          |   |  |          | l        |              | l  | l |
|           | Į.           | _        | ┡            | <u> </u>                                  | ــــ   | ļ        | _  | ▙            | <u> </u>   | <u> </u>     |     |       |              |           |          |   | ┡  | _        | ┝-       | ⊢            | <u> </u>   | ļ |
|           | Ħ            | ļ        | <del> </del> | ↓_  | ↓_   | -        | ļ  | Ь.           | ▙  | ┞            |     |       | 51           | Ш         |          |   |  | <u> </u> | <u> </u> | ⊢            | _  | ļ |
|           | 2            | _        | L_           | <u> </u>                                  | ļ  | ļ_       | ļ_   | <u> </u>     | <u> </u>   | _            |     |       | 52           |           |          |   | _  | _        | L        | <del> </del> | ļ  | ļ |
|           | В            | L        | <u> </u>     | L   | ļ.,  | <u> </u> | <u> </u>                                     | _            |  |              |     |       | 53           | Ш         |          |   |  | _        | _        | ļ            | <u> </u>   | ļ |
|           | #            |          | <u> </u>     | ļ   | ļ  | <u> </u> | <u> </u>                                     | _            | L  | _            |     |       | 54           | Ш         |          |   |  | _        | L_       | ╙            | _  | ļ |
|           | <u> </u>   5 | <u>_</u> |              | ╙   | ┖  | <u> </u> | L  | L.           | _  | <u> </u>     |     |       | 55           |           |          |   |  | L        | L.       | lacksquare   | $oxed{oxed}$                                     | ļ |
|           | 6            | _        | L            | <u> </u>                                  | L.   |          |  |              | _  | <u> </u>     |     |       | 56           |           |          |   |  | 匚        |          | <u> </u>     | <u></u>  | ļ |
|           | 7            |          | $oxed{oxed}$ |   |  | L        |  |              |  |              |     |       | 57           | $\square$ |          |   |  | <u> </u> | <u> </u> | L            |  | l |
|           | 8<br>9<br>10 | L        | L            |   | L  | L        | <u> </u>                                     |              |  | $oxed{oxed}$ |     |       | 58           | Ш         |          |   |  | L        |          | <u> </u>     | L  | L |
|           | 9            | L        |              |   | L  | L.       | <u>L</u>                                     |              |  |              |     |       | 59           |           |          |   |  |          |          |              |  |   |
|           | 10           |          |              |   |  |          |  |              |  |              |     |       | 60           |           |          |   |  |          |          |              |  | L |
|           | 1/1          |          |              |   |  |          |  |              |  |              |     |       | 61           | [         |          |   |  |          |          |              |  | L |
|           | 12           |          |              |   |  |          |  |              |  |              | ] , |       | 62           |           |          |   |  |          |          |              |  | Γ |
|           | 13           |          |              |   |  |          |  |              |  |              | ]   |       | 63           |           |          |   |  |          |          |              | L  | Γ |
|           | 14           | Ī        |              |   |  |          |  |              |  | Г            | ]   |       | 64           | П         |          |   |  |          |          |              |  | Γ |
|           | 15           | Π        |              |   |  |          |  |              |  |              | ]   |       | 65           | П         |          |   |  |          |          | П            |  | Γ |
|           | 16           |          |              |   |  | Г        | П  |              |  |              | 1   |       | 66           |           |          |   |  |          | Г        | Г            | Г  | T |
|           | 17           |          |              |   |  |          |  |              |  |              |     |       | 67           |           |          |   |  |          |          |              |  | T |
|           | 18           |          |              |   |  |          |  |              |  |              | i   |       | 68           |           |          |   |  |          |          |              |  | t |
|           | 19           |          |              |   | T  |          |  |              |  |              | i   |       | 69           |           |          |   |  |          |          |              |  | t |
| <b></b>   | 20           | _        | ı            |   | $\vdash$   |          |  |              | <b></b> -  |              | 1   |       | 70           | $\neg$    |          | _ | Г  |          |          |              |  | t |
|           | 21           | ~        |              |   | t  |          |  | $\vdash$     |  | $\vdash$     | 1   |       | 71           |           |          |   |  | -        | _        | $\vdash$     |  | t |
|           | 22           | ン        | $\vdash$     | $\vdash$                                  | 1  |          |  | $\vdash$     |  | H            |     |       | 72           |           |          |   |  |          | $\vdash$ | $\vdash$     |  | t |
|           | 23           | V        | ┪            |   | $\vdash$   |          |  |              |  | $\vdash$     |     |       | 73           |           |          |   |  | _        |          | $\vdash$     |  | t |
| <b></b>   | 24           | 7        | <del> </del> | $\vdash$                                  | $\vdash$   | _        | $\vdash$                                     | $\vdash$     | <del> </del>                                     | $\vdash$     |     |       | 74           |           |          | _ | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$     | <del>                                     </del> | t |
| $\vdash$  | 25           | O        | $\vdash$     | $\vdash$                                  |  | $\vdash$ | $\vdash$                                     |              |  | -            |     |       | 75           | $\vdash$  | $\neg$   |   | -  | -        | -        | _            | <u> </u>   | t |
|           | 26           | V        | $\vdash$     | ⊢   | ┢  | -        | -  | <del> </del> |  | $\vdash$     |     |       | 76           | -         | $\dashv$ |   | ┢  | $\vdash$ | H        | $\vdash$     | $\vdash$   | t |
| -         | 27           | V.       | ┝            | ⊢   | $\vdash$   | -        | <u> </u>                                     |              |  | -            |     |       | 77           | $\vdash$  | -        |   | ┝  | <u> </u> |          | H            | <u> </u>   | H |
| -         | 28           | V        |              | H   | H  | ┢        | H  |              |  |              |     |       | 78           | $\vdash$  | -        |   | ┝  | _        |          | $\vdash$     | _  | ł |
|           | 29           | 7        |              |   | <u> </u>   | -        | $\vdash$                                     | -            | <u> </u>   |              | .   |       | 79           | -         | $\dashv$ | _ | <u> </u>   |          |          |              |  | ⊦ |
|           | 30           | V.       |              |   |  | -        | -  | ⊢            |  |              |     |       | 80           |           |          |   |  |          |          | -            |  | ⊦ |
|           | 31           | V        | ├            | ⊢   | -  | $\vdash$ | -  | ├—           |  | _            |     |       | 81           | -         | $\dashv$ |   | -  | ┝        | $\vdash$ | -            |  | ╀ |
| <u> </u>  | 32           | Ž        | <u> </u>     |   | ┢  | H        | $\vdash$                                     | H            | H  |              |     |       | 82           | $\dashv$  | -        | _ | H  | _        |          | $\vdash$     |  | ⊦ |
| $\vdash$  | 33           | 7        | -            |   | -  | $\vdash$ | -  | ┝            |  |              |     |       | 83           | $\vdash$  | $\dashv$ |   |  | -        |          | $\vdash$     |  | ╀ |
| $\vdash$  | 34           |          | $\vdash$     | $\vdash$                                  | $\vdash$   | $\vdash$ | $\vdash$                                     | $\vdash$     | $\vdash$   | -            |     |       | 84           | $\vdash$  | $\dashv$ |   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | ╁ |
| _         |              | V        | $\vdash$     | $\vdash$                                  | $\vdash$   | $\vdash$ | $\vdash$                                     | $\vdash$     | H  | <u> </u>     |     |       | 04<br>0£     | $\vdash$  | -        |   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     |  | ╀ |
|           | 35           | Ķ        | $\vdash$     |   | $\vdash$   | $\vdash$ | $\vdash$                                     | $\vdash$     | $\vdash$   |              |     |       | 85           | $\vdash$  | -        | - | $\vdash$   | <u> </u> | -        | $\vdash$     | <u> </u>   | ╀ |
| <u> </u>  | 36           | 90       | ⊢            | ⊢   | ⊢  |          | -  | <del> </del> | <del>                                     </del> | <u> </u>     |     |       | 86           | $\dashv$  | -        |   | $\vdash$   | $\vdash$ | $\vdash$ | <u> </u>     | <u> </u>   | ╀ |
|           | 37           | 0        | ├            |   | <del>                                     </del> | -        | $\vdash$                                     | <u> </u>     | $\vdash$   | <u> </u>     |     |       | 87           | $\dashv$  |          | _ | <u> </u>   | <u> </u> | $\vdash$ | $\vdash$     | <u> </u>   | ŀ |
|           | 38           | 4        | <u> </u>     | <u> </u>                                  | _  | <u> </u> |  |              |  | _            |     |       | 88           |           | _        |   | <u> </u>   |          | _        | <u> </u>     | <u> </u>   | Ł |
| <u></u>   | 39           | <b>✓</b> | <u> </u>     | <u> </u>                                  | <u> </u>   | Ш        | <u> </u>                                     | Ш            | _  |              |     |       | 89           |           | _        |   | <u> </u>   | ļ        | Щ,       | <u> </u>     | ļ  | Ļ |
| <u></u>   | 40           | 7        | <u> </u>     | <u> </u>                                  | <u> </u>   | <u> </u> |  | <u> </u>     | <u> </u>   | <u> </u>     |     |       | 90           | $\sqcup$  | _        | _ | <u> </u>   | <u> </u> |          | _            | L  | L |
| <u></u>   | 41           | V        | <u> </u>     | ļ   | <b> </b>   |          |  | L.           |  | L            |     |       | 91           | $\sqcup$  | _        |   | <u> </u>   | <u> </u> | L.,      |              | <u> </u>   | L |
| <u> </u>  | 42           | く        | <u> </u>     | <u> </u>                                  | <u> </u>   | <u> </u> | Щ  | <u> </u>     | Щ  |              |     |       | 92           | _         | _        |   |  |          | Ш        | Ш            |  | Ļ |
| $\vdash$  | 43           |          | 匚            |   | Щ  | <u> </u> | Щ  | <u> </u>     | <u> </u>   |              |     |       | 93           | _         | _        |   |  | <u> </u> | Щ        | Щ            |  | L |
| $\square$ | 44           |          | <u> </u>     | <u> </u>                                  | <u> </u>   | Ш        | Щ  | Ш            | Щ  |              |     |       | 94           | _         |          |   | ldash  | Ш        | Ш        | Ш            | <u> </u>   | L |
|           | 45           |          |              | L   | L  |          | L.,  | L.,          | Щ  |              |     |       | 95           | ļ         | _        |   |  |          | Ш        | Ш            |  | L |
|           | 46           |          |              | _   | Щ  |          |  |              |  |              |     |       | 96           |           | $\sqcup$ |   |  |          |          |              |  | L |
| igsquare  | 47           |          |              | <u> </u>                                  |  |          | Ш  |              |  |              |     | ]     | 97           |           |          |   |  |          |          |              |  | L |
|           | 48           |          |              | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | Ш  |          | Ш  |              |  |              | [   | I     | 98           |           |          |   |  |          | ]        |              |  | L |
|           | 49           |          |              | L   |  |          |  |              |  |              | [   |       | 99           |           |          |   |  |          |          |              |  | L |
|           | 50           |          |              |   |  |          |  |              |  |              |     |       | 100          |           |          |   |  |          |          |              |  | Ĺ |
|           |              |          |              |   |  |          |  |              |  |              | •   |       |              |           |          |   |  |          |          |              | _  | _ |

| Cla       | aim            | Date |  |          |               |          |          |          |          |          |  |
|-----------|----------------|------|--|----------|---------------|----------|----------|----------|----------|----------|--|
| Final     | Original       |      |  |          |               |          |          |          |          |          |  |
|           | 51             |      |  | П        | Π             |          | Г        | П        |          |          |  |
|           | 51<br>52       |      |  | Π        |               |          |          |          |          |          |  |
|           | 53             |      |  | Ī        |               |          |          |          |          |          |  |
|           | 54             |      |  |          |               | Г        | Г        |          |          |          |  |
|           | 55             | Π    | Π  | Π        |               |          | Γ        |          |          |          |  |
|           | 56             | i —  | Π  |          |               | П        | Г        |          |          |          |  |
|           | 57             | i    | Π  | Г        |               | П        |          | Г        | Π        |          |  |
|           | 58             | Π    |  |          |               |          |          |          |          |          |  |
|           | 59             |      |  |          | Ī             |          |          |          |          |          |  |
|           | 60             |      |  |          | Γ             |          |          |          |          |          |  |
|           | 61             |      |  |          |               |          |          |          |          |          |  |
|           | 62             |      |  |          |               |          |          |          |          |          |  |
|           | 63             |      |  |          |               |          |          |          |          |          |  |
|           | 64             |      |  |          |               |          |          |          |          |          |  |
|           | 65             |      |  |          |               |          |          |          |          |          |  |
|           | 66             |      |  |          |               |          |          |          |          |          |  |
|           | 67             |      |  |          |               |          |          |          |          |          |  |
|           | 68             |      |  |          |               |          |          |          |          |          |  |
|           | 69             |      |  | <u> </u> | Щ             |          | L        | _        |          |          |  |
|           | 70             |      | _  | _        | _             | L_       |          |          |          | _        |  |
|           | 71             |      | _  |          | _             | _        |          |          |          |          |  |
| <u> </u>  | 72             |      | _  | _        | L.            |          |          | L.       | L_       | _        |  |
| <u> </u>  | 73             |      | _  | L        | _             | <u> </u> | L        | _        |          |          |  |
|           | 73<br>74<br>75 |      | <u> </u>   | ļ        | _             | _        |          |          |          |          |  |
|           | 75             |      |  | _        | <u> </u>      | _        | _        | <u> </u> |          | <u> </u> |  |
| <u> </u>  | 76<br>77       |      | _  | <u> </u> | ┡             | _        | <u> </u> | <u> </u> |          | <u> </u> |  |
|           | 77             | _    |  | _        | _             | _        | _        | _        |          | _        |  |
|           | 78             |      | _  | ⊢        |               |          | -        |          | $\vdash$ | $\vdash$ |  |
|           | 79<br>80       |      | <del> </del>                                     |          |               |          |          |          |          | _        |  |
|           | 81             |      | ├—   | -        | ┢             | ┝        | ⊢        | -        |          |          |  |
|           | 82             |      | ├  |          | ┢             | $\vdash$ | -        | $\vdash$ | $\vdash$ |          |  |
|           | 83             | -    | ┝  | -        | $\vdash$      | ┝        | $\vdash$ | ⊢        |          |          |  |
|           | 84             |      | ⊢  | $\vdash$ |               | ┢        | $\vdash$ | $\vdash$ | $\vdash$ | _        |  |
|           | 85             |      | $\vdash$   |          | $\vdash$      | $\vdash$ | ┝        |          | $\vdash$ |          |  |
|           | 86             |      | $\vdash$   | -        | $\vdash$      | ┢        | H        | ┢        |          |          |  |
|           | 87             |      | $\vdash$   | _        | ┢             | $\vdash$ | $\vdash$ | $\vdash$ | _        | -        |  |
|           | 88             |      | <del>                                     </del> | -        | -             | _        | -        | _        |          |          |  |
|           | 89             |      | _  | ┪        | $\vdash$      | $\vdash$ |          |          |          | _        |  |
|           | 90             |      | <u> </u>   |          |               | _        |          | _        |          |          |  |
|           | 91             |      | _  | $\vdash$ | $\overline{}$ | $\vdash$ |          |          |          |          |  |
|           | 92             |      |  |          |               |          |          |          |          |          |  |
|           | 93             |      |  |          |               |          |          |          |          |          |  |
|           | 94             |      |  |          |               |          |          |          |          |          |  |
|           | 95             |      |  |          |               |          |          |          |          |          |  |
|           | 96             |      |  |          |               |          |          |          |          |          |  |
|           | 97             |      |  |          |               |          |          |          |          |          |  |
| $\square$ | 98             |      |  | L_       | L_            |          |          |          | Ш        |          |  |
|           | 99             |      | L  |          | L             | Ш        | Ш        |          |          |          |  |
| 4         | 100 [          |      | 1  | 1 3      |               |          |          |          |          |          |  |

| CI        | aim               |          |           |  |          | Dat          | <br>e    |  |  |               |
|-----------|-------------------|----------|-----------|--|----------|--------------|----------|--|--|---------------|
|           |                   | T        |           | Ι  | ΓÌ       | Γ            | Ė        | Г  | Γ  | Γ             |
| Final     | Original          | 9        |           |  |          |              |          |  |  |               |
|           | 101               |          |           |  |          |              |          |  |  |               |
|           | 102               | Г        |           |  |          | П            | П        |  | Г  |               |
|           | 102<br>103        | П        |           |  |          |              |          |  |  |               |
|           | 104               |          |           |  |          | Ī            |          |  |  |               |
|           | 104<br>105        |          |           |  | Г        |              |          |  |  |               |
|           | 106               |          |           |  | Г        | П            |          |  |  |               |
|           | 107               |          | Г         |  |          | П            |          |  |  |               |
|           | 107<br>108        |          |           |  |          |              |          |  |  |               |
|           | 109               |          |           |  |          |              |          |  |  |               |
|           | 110<br>111        |          |           |  | <u> </u> |              |          |  |  |               |
|           | 111               |          |           |  |          | 匚            | 匚        |  | _  |               |
|           | 112               |          |           |  |          |              |          |  |  |               |
| <u> </u>  | 113               | ļ        | ļ         | <u> </u>   | _        | <u> </u>     | _        | <u> </u>   | <u> </u>   | Ш             |
| L         | 113<br>114<br>115 | _        | <u> </u>  | _  | _        | _            | <u> </u> |  | _  | Щ             |
|           | 115               | <u> </u> | <u> </u>  | <u> </u>   | _        | <u> </u>     | <u> </u> | <u> </u>   | ┞—   | $\sqcup$      |
| <u> </u>  | 116               | <u> </u> | <u> </u>  | _  | _        | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | Н             |
|           | 117               | <u> </u> | <u> </u>  | <u> </u>   |          | <u> </u>     |          | _  | <u> </u>   | Ш             |
| <u> </u>  | 118<br>119        | -        | <u> </u>  | <u> </u>   |          | -            |          | -  | _  | _             |
|           | 119               |          | -         | -  |          | -            | ┝        | ┝  | -  | Н             |
| $\vdash$  | 120               | <u> </u> |           | ⊢  |          | <del> </del> | ⊢        | <del>                                     </del> | ⊢  | Н             |
| $\vdash$  | 121<br>122<br>123 | _        |           | H  | -        | ⊢            | -        | -  | -  | Н             |
| $\vdash$  | 122               | $\vdash$ |           |  |          | $\vdash$     | $\vdash$ | -  | $\vdash$   | Н             |
| $\vdash$  | 124               | -        | _         | <del>                                     </del> | _        |              | $\vdash$ |  | $\vdash$   | Н             |
|           | 124<br>125        | -        |           | $\vdash$   |          |              |          | $\vdash$   | $\vdash$   | Н             |
| $\vdash$  | 126               |          |           | _  |          |              | _        |  | <del>                                     </del> | H             |
|           | 127<br>128        |          |           |  |          |              |          |  |  | П             |
|           | 128               |          |           |  |          |              |          |  |  |               |
|           | 129<br>130        |          |           |  |          |              |          |  |  |               |
|           | 130               |          |           |  |          |              |          |  |  |               |
| ,         | 131               |          |           |  |          |              |          |  |  |               |
|           | 132<br>133        |          |           |  |          | L            |          |  |  | Ш             |
| $\perp$   | 133               |          |           | _  |          | <u> </u>     | L_       | <u> </u>   | <u> </u>   | Щ             |
|           | 134               |          |           | $\vdash$   |          | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>   | Щ             |
| <b>  </b> | 135<br>136        |          |           | ļ.,  |          | <u> </u>     | L        | <u> </u>   | <u> </u>   | Щ             |
| $\vdash$  | 136               |          | <b> -</b> |  |          | ├            | <u> </u> | <u> </u>   | ├  | $\mid - \mid$ |
| ļ         | 137<br>138        |          |           | -  |          |              |          |  |  | H             |
| $\vdash$  | 139               |          |           |  |          | -            |          | _  | $\vdash$   | Н             |
| $\vdash$  | 140               |          | _         |  |          | -            |          |  |  | $\vdash$      |
| $\vdash$  | 141               |          |           | _  | _        |              |          | $\vdash$   |  | $\vdash$      |
|           | 142               |          |           | _  | _        | $\vdash$     |          |  |  | $\vdash$      |
|           | 143               |          |           |  |          |              |          |  |  |               |
|           | 144               |          |           |  |          |              |          |  |  |               |
|           | 145               |          |           |  |          |              |          |  |  | $\overline{}$ |
|           | 146               |          |           |  |          |              |          |  |  |               |
|           | 147               |          |           |  |          |              |          |  |  |               |
|           | 148               |          |           | Ш  |          |              |          |  |  |               |
| $\sqcup$  | 149               |          |           | Щ  |          | L_           |          |  | ļ.,  | Ш             |
| ш         | 150               |          |           |  |          |              |          |  |  | لـــا         |